Ledtech

LJ70X1-X1 0.68"5X7 DOT MATRIX DISPLAY

(STANDARD CIRCUIT)

Features

* LOW CURRENT REQUIREMENTS
* EXCELLENT CHARACTER APPEARANCE
* HIGH LIGHT OUTPUT
* RELIABLE AND RUGGED
* IC COMPATIBLE

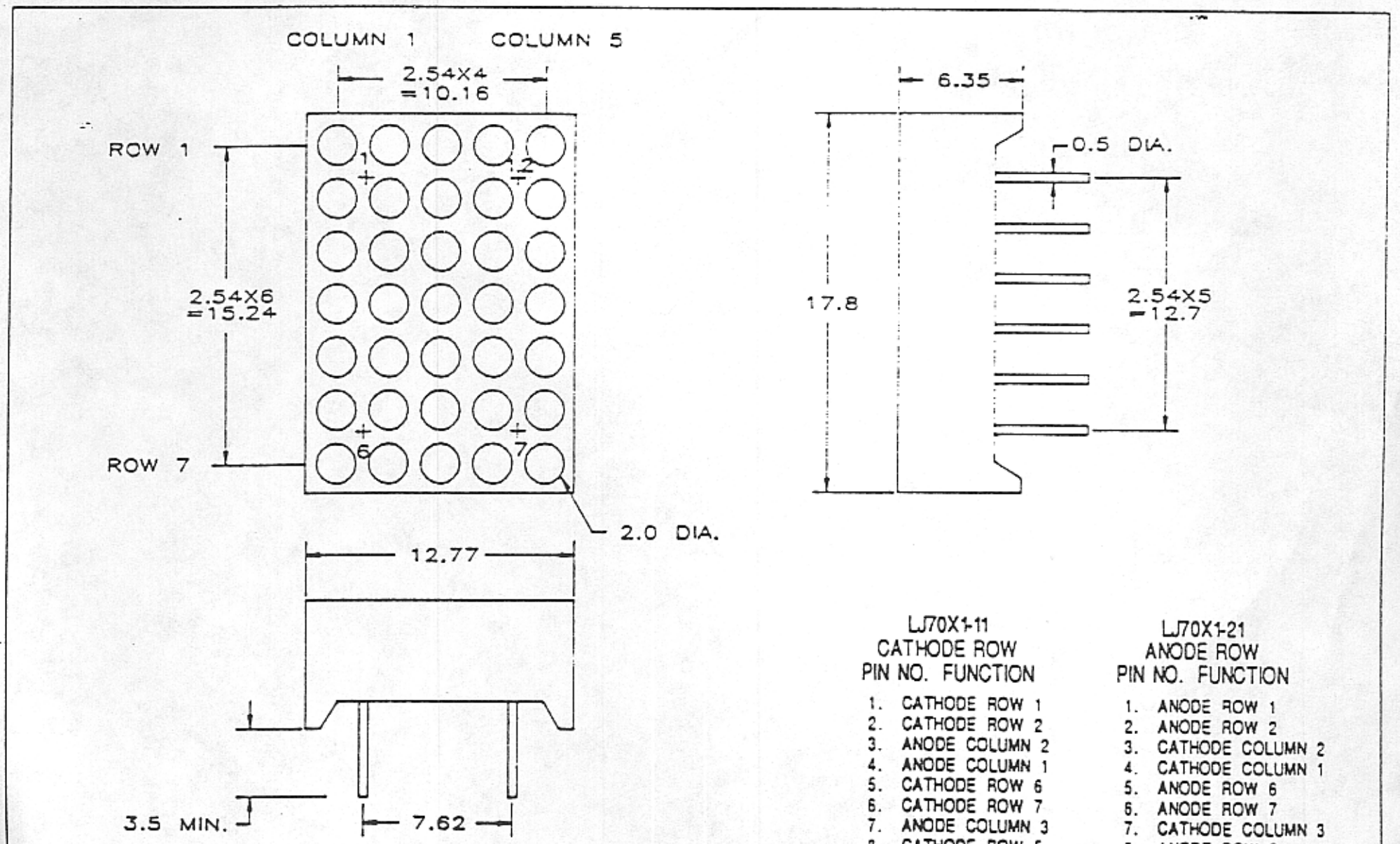
Absolute Maximum Ratings at T_A=25℃

REVERSE VOLTAGE PER LED CHIP	GaAsP RED 3.0 V,OTHER 5.0 V
D.C. FORWARD CURRENT PER LED CHIP	30mA
PULSE CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH) PER LED CHIP	100mA
OPERATING TEMPERATURE RANGE	−25℃ TO +85℃
STORAGE TEMPERATURE RANGE	−25℃ TO +100℃
LEAD SOLDERING TEMP. (1.6mm FROM SEATING PLANE)	260℃ FOR 5 SEC.

Electrical/Optical Characteristics at T_A=25℃

PART NUMBER		LED CHIP				PEAK WAVELENGTH	FORWARD VOLTAGE		LUMINOUS INTENSITY	
				FACE COLOR			@20mA(V)		@10mA(mcd)	
CATHODE ROW	ANODE ROW	MATERIAL	EMITTING COLOR	SURFACE	SEGMENT OR DOT	@20mA(nm)	TYP.	MAX.	MIN.	TYP.
LJ7011-11EWRN	LJ7011-21EWRN	GaAsP	RED	GREY	WHITE	655	1.7	2.0	0.2	0.5
LJ7051-11EWRN	LJ7051-21EWRN	GaP	RED	GREY	WHITE	700	2.1	3.0	0.3	0.8
LJ7021-11EWRN	LJ7021-21EWRN	GaP	GREEN	GREY	WHITE	567	2.1	3.0	1.1	2.9
———	———	GaAsP ON GaP	YELLOW	———	———	585	—	—	—	—
LJ7041-11EWRN	LJ7041-21EWRN	GaAsP ON GaP	ORANGE	GREY	WHITE	635	2.1	3.0	1.3	3.3
LJ7041R-11RRRN	LJ7041R-21RRRN	GaAsP ON GaP	HI-EFF.RED	RED	RED	635	2.1	3.0	1.3	3.3

Package Dimensions And Pin Function



LJ70X1-11
CATHODE ROW
PIN NO. FUNCTION

1. CATHODE ROW 1
2. CATHODE ROW 2
3. ANODE COLUMN 2
4. ANODE COLUMN 1
5. CATHODE ROW 6
6. CATHODE ROW 7
7. ANODE COLUMN 3
8. CATHODE ROW 5
9. ANODE COLUMN 4
10. CATHODE ROW 4
11. CATHODE ROW 3
12. ANODE COLUMN 5

LJ70X1-21
ANODE ROW
PIN NO. FUNCTION

1. ANODE ROW 1
2. ANODE ROW 2
3. CATHODE COLUMN 2
4. CATHODE COLUMN 1
5. ANODE ROW 6
6. ANODE ROW 7
7. CATHODE COLUMN 3
8. ANODE ROW 5
9. CATHODE COLUMN 4
10. ANODE ROW 4
11. ANODE ROW 3
12. CATHODE COLUMN 5

1. ALL DIMENSIONS ARE IN mm. TOLERANCE IS ±0.25mm UNLESS OTHERWISE NOTED.
2. THE SLOPE ANGLE OF ANY PIN MAY BE ±5.0° MAX.